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"non-boundary cell" octree

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[\[PDF\]](#) [\\*Volume CAD](#)

K Kase, Y Teshima, S Usami, H Ohmori, C Teodosiu, ... - ACM International Conference Proceeding Series, 2003 - jsme.or.jp

... 9 and Kela 6 as "extended **octree**", but these are simply mixed in ... CAD, only two types of cells, "boundary cell" and "**non-boundary cell**" (see Figure 3 ...

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[Tetrahedral finite element mesh generation from NURBS solid models](#)

HN Gürsoy - Engineering with Computers, 1996 - Springer

... i t\* list of surface triangles crossing \*t P the terminal **octree** cell \*t ... If there exists a classified **non-boundary cell** among the face-adjacent cells, the cell ...

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[Point-Based Minkowski Sum Boundary](#) - [\[PDF\]](#) [\\*gmu.edu](#)

JM Lien - Proceedings of the 15th Pacific Conference on Computer ..., 2007 - doi.ieeecomputersociety.org

... The method using an **octree** can be proved in a similar way. ... Therefore, it is not possible for us to find an empty or a **non-boundary cell** on the boundary. ...

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[Finite Element Analysis Based on Volume CAD](#)

T MIYAMURA, T YAMADA, H AKIBA, A MAKINOUCHI, C ... - JSME International Journal Series C, 2005 - J-STAGE

... Each cell is an element of a voxel or **octree** data structure. ... In this method, the **non-boundary cell** of the VCAD is adopted directly as a hexahedral element. ...

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[METHOD AND PROGRAM FOR CONVERTING BOUNDARY DATA INTO CELL INNER SHAPE DATA](#)

S Usami, K Kase, Y Teshima - US Patent App. 11/419,847, 2006 - Google Patents

... a boundary cell having the cutting point and a **non-boundary cell** having no ... parallelepiped cells whose boundary surfaces cross each other by **octree** division ...

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[Point-Based Minkowski Sum Boundary](#)

E Courses, T Surveys - Computer Graphics and Applications, 2007. PG'07. 15th ..., 2007 - ieeeexplore.ieee.org

... The method using an **octree** can be proved in a similar way. ... Therefore, it is not possible for us to find an empty or a **non-boundary cell** on the boundary. ...

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[Boundary data inside/outside judgment method and program thereof](#)

K Kase - US Patent App. 10/507,623, 2003 - Google Patents

... AND CURRENT CELL IS **NON-BOUNDARY CELL**? ... The Szeliski method is disclosed in "Rapid **octree** construction from image sequences" R. Szeliski., and the Pulli method ...

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## VOLUME DATA CELL LABELING METHOD AND ITS PROGRAM

EP Patent 1,770,566, 2007 - freepatentsonline.com

... parallelepiped, such as a voxel or an octant of an **octree**, that is ... and a cell that does not have surface information is called a **non-boundary cell** (or called ...

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## Method and program for labeling multi material data

M Kato, K Kase, T Yamada - US Patent App. 10/553,602, 2004 - Google Patents

... of external data (12), storage of cell data through **octree** division of the ... a boundary cell (13a) including the boundary data, and a **non-boundary cell** (136) not ...

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## Method and program for generating volume data from boundary representation data

S Usami, K Kase, Y Terada, H Yagi - US Patent 7,372,460, 2008 - Google Patents

... 8 Claims, 12 Drawing Sheets Boundary Cell **Non-Boundary Cell** Index Vertex Attribute [8 ... 9/2003 Song 600/410 Kela, Ajay, "Hierarchical **Octree** Approximations for ...

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Key authors: [K Kase](#) - [S Usami](#) - [Y Teshima](#) - [A Makinouchi](#) - [C Teodosiu](#)

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